

Date: Tue, 19 Jul 94 04:30:16 PDT
From: Ham-Ant Mailing List and Newsgroup <ham-ant@ucsd.edu>
Errors-To: Ham-Ant-Errors@UCSD.Edu
Reply-To: Ham-Ant@UCSD.Edu
Precedence: Bulk
Subject: Ham-Ant Digest V94 #229
To: Ham-Ant

Ham-Ant Digest Tue, 19 Jul 94 Volume 94 : Issue 229

Today's Topics:

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RDF Unit
Who invented the T2FD ?

Send Replies or notes for publication to: <Ham-Ant@UCSD.Edu>
Send subscription requests to: <Ham-Ant-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Ham-Ant Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/ham-ant".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 19 Jul 94 05:38:02 GMT
From: news-mail-gateway@ucsd.edu
Subject: 17 Meter 3-element Yagi
To: ham-ant@ucsd.edu

I want to build a 3-element yagi for 17 meters. I would greatly
appreciate any information about available plans for such an antenna.
I have Carr's Practical Antenna Handbook, but lack any experience
in designing antennas. So I think a set of plans would be advisable.

Thanks,

Kevin KD1SV

Date: 15 Jul 1994 17:20:39 GMT
From: ihnp4.ucsd.edu!agate!howland.reston.ans.net!wupost!news.miami.edu!
miasun.med.miami.edu!umbio.med.miami.edu!sdimse@network.ucsd.edu
Subject: Antenna on my boat??
To: ham-ant@ucsd.edu

nhickso@eis.calstate.edu (Nathan M. Hickson) writes:

: Hello all,
:
: I posted about this is rec.radio.cb and got no replys so now I'm
: trying here...I need to put a cb in my 18 foot boat for the summer and I need
: help with the antenna. The boat is all fiberglass except for a little
: wood and some chrome railing around the outside. My problem is how do I
: get a ground plane without any metal on the boat. Do I use the lake? My
: idea would be to put a copper plate about 5 in by 5 in on the bottom of
: the boat and run a hefty ground wire to the antenna ground. Would this
: work...Would the lake be a sufficient ground...HELP...I dunno what to do
: !!

You have a bit of a problem....

If the railing is greater than 1/4 wavelength (108 inches for CB) it would work as a ground, but less than ideal and would likely cause some directionality to the antenna pattern. If you try this route, you must be certain that the railing has a good solid connection to all parts of itself...electrical connection that is, not mechanical. Depending on the contruction of the railing, that may mean putting a wire across all the mechanical connections.

Using the lake as a ground plan would work great...if the lake is the Great Salt Lake. Unfortunately, radio waves are not reflected well by fresh water. Also, you would need a much greater area of connection than 5 inches...there is a commercial product called DynaPlate that provides several square feet of effective surface area in a small package by using a rough surface.

Another possibility would be to make your own ground plane...attach several 108 inch or longer wires to the base of the antenna, run them as straight way from the base as possible. This is probably your best alternative.

Good luck es 73 de Steve
K04HD @KB4GCZ.#EYW.FL.USA
sdimse@umbio.med.miami.edu

Date: 19 Jul 1994 07:38:56 GMT
From: news.columbia.edu!konichiwa.cc.columbia.edu!rbe3@RUTGERS.EDU
Subject: Carrier-current antenna alternative
To: ham-ant@ucsd.edu

I built a Ramsey FM10a and it does work really well. The only problem seems to be with the propagation through a seventeen story steel and concrete building which my radio station is trying to reach. I have a standard dipole oriented with the signal lobes going vertically. I've considered a ground plane but that does not seem appropriate for vertical coverage.

The Ramsey manual mentions something called "carrier-current" but tactfully evades saying anything more on it. Essentially it is an antenna alternative which allows the signal to be broadcast through a building's power outlets via internal wiring. I have not been able to find any information on this topic in any ARRL book or magazines or anywhere!

If anyone knows how to set up a "carrier-current" antenna configuration or knows where any information on this topic can be found, I would be greatly appreciative. Either post on this group or email rbe3@columbia.edu with any information. Thanks!

Branden Emmerson
rbe3@columbia.edu
KE6EYW

Date: Mon, 18 Jul 1994 21:31:25 GMT
From: ncrgw2.ncr.com!ncrhub2!ncrcae!news@uunet.uu.net
Subject: Help Identifying Cushcraft Antenna
To: ham-ant@ucsd.edu

>In article <30dvdu\$q8s@bmerha64.bnr.ca> Wayne Salhany writes:
>I have acquired a Cushcraft antenna and am not sure which model it is. The
>following is a "from memory" description. Any help with respect to
>it's model and frequency coverage would be appreciated.

>
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> |
> |
> |
> |
> |
> -----|
> -----| <----- matching stub that looks something
> | like a big u shaped hairpin
>
> |
> |
> |
> |

```

>      | <----- driven element
>      |
>      |
>      |
>      |
>      \ \
>      \  <----- circular ring (matching transformer ?)
>      \ \
>      - |
>        | |
>        | |
>        | | <----- length of coax ~ 1 meter
>        | |
>        | |
>        | |
>  ----- || || ----- <---- radiator collar (three element)
>          | |
>          | | <----- mast
>

```

>Again any info would be appreciated...

>

>Wayne

>VE3WQS

>

>salhany@bmr.ca>

Looks like a ringo ranger to me. The dimensions will affect whether it is for 2 meters or the other vhf bands (not sure exactly which ones Cushcraft made them for). What do you guys/ gals think? 73, Tom WB4iUX

Date: 19 Jul 1994 07:52:42 GMT

From: ihnp4.ucsd.edu!agate!msuinfo!harbinger.cc.monash.edu.au!

yarrina.connect.com.au!werple.apana.org.au!lazar.apana.org.au!zikzak!

browndj@network.ucsd.edu

Subject: INTERNET DX Info?

To: ham-ant@ucsd.edu

Dennis1788 (dennis1788@aol.com) wrote:

: Is there a server on INTERNET which will return DX callbook information?

: Also is there an up-to-date US callbook server?

: Many thanks.

: Den, NW2J

Hi Den. Try Telnet electra.cs.buffalo.edu 2000. When connected type help.
Hope this helps 73's Dave vk3dxl QTH Melbourne Australia.

--

Zikzak public access UNIX, Melbourne, Australia.
Dave -- browndj@zikzak.apana.org.au
vk3dxl vk3dxl@vk3erm-2.ampr.org

Date: 18 Jul 1994 19:37:13 -0400
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!math.ohio-state.edu!
magnus.acs.ohio-state.edu!csn!jabba.cybernetics.net!not-for-mail@network.ucsd.edu
Subject: mfj 1796...MFJ's attitude
To: ham-ant@ucsd.edu

In article <gregCt52vw.HD2@netcom.com>, Greg Bullough <greg@netcom.com> wrote:
>

>This seems the ideal antenna for areas with antenna restrictions. As
>nobody on the net seems to have thus far succeeded in obtaining this
>product, which has been announced and advertised for several months,

There seems to be a trend ...

MFJ advertised the MFJ-249 HF/VHF Analyzer/Counter for months...when a
friend placed an order for a Xmas present to me.

He happened to ask me in the following April how I liked the instrument.

I said: I haven't got it yet!

A couple of weeks later, it arrived...clearly a "repaired" assembly dud,
judging from crude scraping and resoldering on the PCB board.

I love it...use it regularly...works fine...but MFJ works with the
lowest possible quality assembly plants in Asia.

I had bought an MFJ coaxial switch...one of the connectors "popped out"...
some clown rotated the female insert to make soldering easier(!),
irrespective of the mechanical design to anchor the connector in the switch
body. From a post to the net, I found that it was a common defect.

QC? What you mean? QC?

73/Steve Modena/AB4EL ab4el@Cybernetics.NET

Date: Tue, 19 Jul 1994 01:24:25 GMT

From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!vixen.cso.uiuc.edu!
newsrelay.iastate.edu!cobra.uni.edu!sunfish!charlie.usd.edu!
MBANKS@network.ucsd.edu
Subject: RDF Unit
To: ham-ant@ucsd.edu

I am looking for a fixed RDF unit in the 156 MHz range. Please contact me
at mbanks@charlie.usd.edu. Thanks. Barry Banks

Date: Mon, 18 Jul 1994 12:12:00 PST
From: ihnp4.ucsd.edu!swrinde!howland.reston.ans.net!europa.eng.gtefsd.com!
newsxfer.itd.umich.edu!nntp.cs.ubc.ca!mala.bc.ca!epaus!ham!emd@network.ucsd.edu
Subject: Who invented the T2FD ?
To: ham-ant@ucsd.edu

charlos@rivm.nl (Charlos Potma) writes:

>Hello all,
>
>I am writing an article for our local club newsletter about the
>Tilted Terminated Folded Dipole (T2FD). I have read a few articles
>on the subject, particularly the ones in QST of june '49 and november
>'51 written by W3HH. However it is not clear from these articles who
>the actual inventor of the T2FD was and what the intended application
>would have been. I would like to hear from anyone having more information
>on this subject,
>
>thanks and 73,
>

The only book I have that discusses the the T2FD (Practical Wire Antennas
by G3BDQ) also credits Captain Countryman (W3HH), and mentions his June
1949 QST article. In addition, it mentions other articles in the CQ
Antenna Roundup 1963, pp68,70.

Practical Wire Antennas discusses the T2FD for several pages, and can be
obtained from the RSGB.

emd@ham.island.net (Robert Smits Ladysmith BC)

End of Ham-Ant Digest V94 #229
